



# APM CO., LTD

## AAL-9681 / AAL-9682 / AAL-9683 Pan/Tilt IP Camera MPEG / MJPEG / 3GPP

### Features

- Pan range -135° ~ 135°
- Tilt range -45° ~ 90°
- 5 camera tours and 16 preset numbers
- Color 1/3" CCD sensor
- Remote surveillance via IE
- Motion detection with video notice
- Support static or dynamic IP
- MPEG4 / MJPEG dual codec
- RTSP video streaming support 3GPP (H.263)



### Product Models

Model	AAL-	AAL-9682	AAL-9683
Feature	Standard	PoE	WLAN
PoE	No	Yes	No
IEEE 802.11g	No	No	Yes
Power consumption	9W	10W	10W

### Specifications

<b>P/T control</b>	
Pan range	-135° ~ 135° (Max 120°/sec.)
Tilt range	-45° ~ 90° (Max 120°/sec.)
Auto pan	Yes
Camera tour	5
Preset numbers	16
<b>Sensor</b>	
Sensor type	Color 1/3" CCD sensor
Scan method	Interlace
Minimum illumination	0.2 Lux @ F 2.0
S/N ration	More than 48dB
Gamma characteristic	0.45
Lens	f3.6 @ F2.0 board lens, full glasses
Auto white balance	Yes
Auto gain control	Yes
Backlight compensation	Yes
<b>Video</b>	
Video compression	MPEG4 / MJPEG dual codec, 3GPP (H.263)
Video frame rate	Up to 30 fps for all video resolutions
Compression rate	5 levels: best, better, normal, faster, fastest



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Frame rate setting	NTSC: 1, 2, 3, 4, 5, 6, 7, 10, 15, 30 fps
	PAL: 1, 2, 3, 4, 5, 6, 12, 25 fps
Video resolution	NTSC: 704x480, 640x480, 320x240, 176x112
	PAL: 704x576, 640x480, 352x288, 176x144
Image rotation	Mirror / Up side down
Digital zoom	4X, 2X, 1X, 0.5X
Motion detection	3 windows
Alarm notification	Send video e-mail / Upload video file to ftp server / Save video file to network share / Send notification to TCP/HTTP server / Control camera to a preset location / Turn on alarm output
<b>Audio</b>	
Internal microphone	Sensitivity: 62dB
<b>Communication</b>	
LAN port	RJ-45, 10/100M auto-sensed, auto crossover
Communication protocol	3GPP, RTSP, TCP/IP, HTTP, FTP, SMTP, PPPoE, DHCP, DNS, DDNS, UPnP, UDP, ARP, ICMP, SAMBA, NTP
Video streaming	Multicasting / RTSP / Over HTTP
IP filter	Yes
<b>I/O</b>	
Alarm input	2
Alarm output	1
Analog video output	1
Analog audio output	1
<b>Software</b>	
Browser	Internet Explorer 6.0 or above
Application software	CentaView application software
OS supported	Microsoft Windows 2000, XP
<b>Power</b>	
Power	DC 12V 1.5A, switching type power supply
Power consumption	10W (800mA x 12V), maximum
<b>LED</b>	
Link LED	Green color
Alert LED	Green color
<b>Size</b>	
Main body	116mm(L) x 116mm(W) x 108mm(H)
<b>Operating environment</b>	
Operating temperature	5°C ~ 40°C
Storage temperature	-20°C ~ 50°C
Humidity	10% ~ 80% non-condensing
<b>EMI</b>	
	FCC / CE class B